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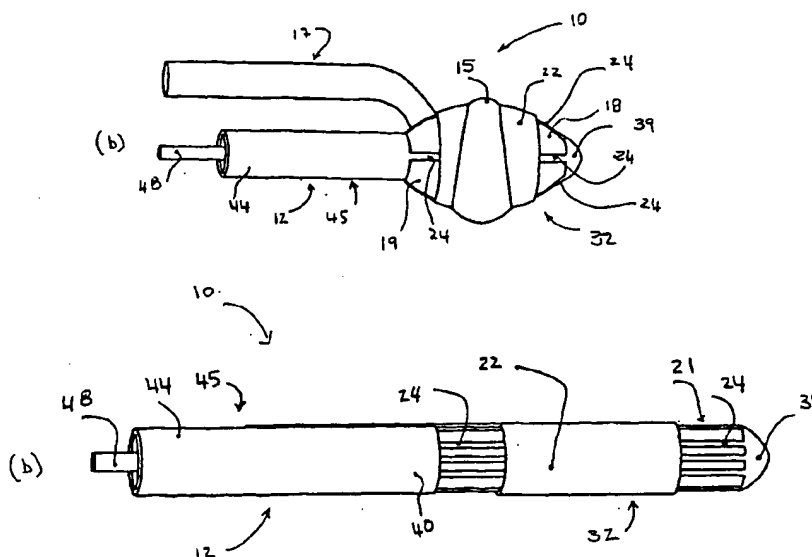
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(54) Title: **EXPANDABLE BLOOD PUMP AND RELATED METHODS**



(57) Abstract: The present invention involves a blood pump (32) having a blood pump and internally disposed rotor, wherein each of the pump housing and rotor are capable of being expanded from a first state of generally reduced dimension (fig. 2b) to a second state of generally increased dimension (fig. 1b). The blood pump may be advantageously introduced into the patient (and onward to the pumping site) while in the first state and thereafter operated (automatically or manually) into the second state for use in pumping blood to augment or replace the pumping capacity of the heart.

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# INTERNATIONAL SEARCH REPORT

International application No.

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61N 1/36

US CL : 600/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 600/16-18

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

East: pump and collas\$ or expand\$ or inflat\$ or deflat\$

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,820,542 A (DOBAK, III et al.) 13 October 1998, see entire document.	1
X	US 4,919,647 A (NASH) 24 April 1990, see entire document.	1-4, 6-8, and 11-13

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

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"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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